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- of animal fibres** (DURAND & HUGUENIN), (P.), B., 1062.
- with vat dyes** (I. G. FARBENIND.), (P.), B., 554.
- of animal materials** (VER. F. CHEM. & MET. PROD.), (P.), B., 237.
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- of regenerated cellulose** (BRIT. DYESTUFFS CORP.), (P.), B., 1063\*.
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- |                                 |                               |
|---------------------------------|-------------------------------|
| <i>Achasma walang val.</i>      | Lemon oil.                    |
| Carrot oil.                     | <i>Leptospermum citratum.</i> |
| Chaulmoogra oil.                | <i>Melaleuca.</i>             |
| Citronella oil.                 | Mignonette oil.               |
| Coriander oil.                  | Orange oil.                   |
| Cymbopogon oil.                 | Pepper oil.                   |
| <i>Dacrydium Franklini.</i>     | Peppermint oil.               |
| <i>Dracocephalum Moldavica.</i> | Petitgrain oil.               |
| Eucalyptus oil.                 | Pine oil.                     |
| Frankincense oil.               | Sesame oil.                   |
| Geranium oil.                   | Violet leaf oil.              |
| <i>Hydnocarpus Wightiana.</i>   | Zdravet oil.                  |
| <i>Laurus reobilis.</i>         |                               |
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- Oils**, fatty. See also:—
- |                                  |                                 |
|----------------------------------|---------------------------------|
| "Abrasinöl."                     | Castor oil.                     |
| <i>Allanblackia Stuhlmannii.</i> | <i>Centrophorus granulosus.</i> |
| Almond oil.                      | <i>Cetorhinus maximus.</i>      |
| Apricot kernel oil.              | Chaulmoogra oil.                |
| Arachis oil.                     | Chrysalis oil.                  |
| Brazil nut oil.                  | Coconut oil.                    |
| Bull frog oil.                   | <i>Cocos bonetti.</i>           |
| <i>Butea frondosa.</i>           | Cod-liver oil.                  |
| <i>Butyrospermum parkii.</i>     | Coriander oil.                  |
| Cashew nut-shell oil.            | Cottonseed oil.                 |

**Oils, fatty.** See also—

Cucumber seed oil.  
 Dolphin oil.  
 Fir oil.  
 Hempseed oil.  
 Herring oil.  
 Kepayang oil.  
*Labeo rohita*.  
 Linsced oil.  
 Lumbang oil.  
*Lycopodium clavatum*.  
 Mustard oil.  
 Neat's-foot oil.  
 Oiticia oil.  
 Olive oil.  
 Palm oil.  
*Pentaclethra macrophylla*.  
*Perilla ocumoides*.  
 Pine kernel oil.  
 Pistachio oil.  
 Porpoise-jaw oil.  
 Rat-fish liver oil.  
 Rock-fish oil.  
 Sand-eel oil.  
 Sardine oil.  
 Sesame oil.  
*Simondsia californica*.  
 Soya-bean oil.  
 Sperm whale oil.  
 Sunflower oil.  
 Tall oil.  
 Tobacco-seed oil.  
 Train oil.  
 Tung oil.  
 Wallflower-seed oil.  
 Wood oil.  
 Wool oil.

**Oils, fuel.** See Fuel, oil.

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 (GREENSTREET and GASOLINE CORP.), (P.), B., 407.  
 heat treatment of (D'YARMETT and FRACTIONATOR Co.), (P.), B., 133.  
 refining of (GARDNER, HODGE, and SINCLAIR REFINING Co.; PELZER and SINCLAIR REFINING Co.), (P.), B., 313; (STREET; I. G. FARBERIND.), (P.), B., 499; (PETERKIN and ATLANTIC REFINING Co.), (P.), B., 893; (HERTHEL, PELZER, and SINCLAIR REFINING Co.), (P.), B., 1014, 1057; (HUFF and UNIVERSAL OIL PRODUCTS Co.; (P.), B., 1057; (GARD, ALDRIDGE, MULTER, and HOWES), (P.), B., 1140.  
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 removal of ash-forming constituents from (FISCHER and STANDARD OIL DEVELOPMENT Co.), (P.), B., 1140.  
 removal of cloud-forming materials from (SUHR, ZEHRUNG, and PENNZOIL Co.), (P.), B., 313.  
 removal of petrolatum from (LANE, MONTGOMERY, and STANDARD OIL Co.), (P.), B., 599.  
 cracking of (EGLOFF and UNIVERSAL OIL PRODUCTS Co.), (P.), B., 701; (WEAVER and GYRO PROCESS Co.), (P.), B., 704\*;  
 (DE FLOREZ), (P.), B., 854; (ISOM and SINCLAIR REFINING Co.), (P.), B., 854, 1141; (SCHWARZ and PETROLEUM & PRODUCTS CORP.; HERTHEL and SINCLAIR REFINING Co.; DUBBS), (P.), B., 1013; (HERTHEL, TIEFF, and SINCLAIR REFINING Co.; BELL, ISOM, and SINCLAIR REFINING Co.; ELKINGTON and BATAAFSCHE PETROLEUM MAATS.; DUBBS and UNIVERSAL OIL PRODUCTS Co.), (P.), B., 1056.  
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 cracking or destructive hydrogenation of (IMPERIAL CHEM. IND.), (P.), B., 854.  
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 (PRATT), (P.), B., 408\*;  
 (WATSON and TEXAS Co.), (P.), B., 499; (BADGER & SONS and HALL; WILSON and STANDARD OIL Co.), (P.), B., 1055.  
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***p*-Toluenesulphonidibenzylamide** (HURD and CARNAHAN), A., 1563.  
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***p*-Toluenesulphon-*p*-xylylide** (CURTIUS and KRAEMER), A., 760.  
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**5-*p*-Toluenesulphonyl-3:6-anhydro-*α*-*D*-glucofuranose**, and its derivatives (OHLE and EULER), A., 1165.  
**5-*p*-Toluenesulphonyl-6-benzoyl-3-acetylglucose isopropylidene ether** (OHLE, EULER, and LICHTENSTEIN), A., 70.  
**5-*p*-Toluenesulphonyl-1:2-diacetyl-3:6-anhydro-*α*-*D*-glucofuranose** (OHLE and EULER), A., 1166.  
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**6-*p*-Toluenesulphonyl-3:5-diacetylglucose isopropylidene ether** (OHLE, EULER, and LICHTENSTEIN), A., 70.  
***N*-*p*-Toluenesulphonyl-2:7-di-*β*-anthraquinonylaminoanthraquinone** (RIESZ and FEIKS), A., 215.  
**5-*p*-Toluenesulphonyl-1:2-dibenzoyl-3:6-anhydro-*α*-*D*-glucofuranose** (OHLE and EULER), A., 1166.  
***p*-Toluenesulphonyldibenzoylglucoses**, isopropylidene ethers (OHLE, EULER, and LICHTENSTEIN), A., 70.  
**2-*p*-Toluenesulphonyl-1-*p*-dimethylaminophenyldihydrobenzoxazole** (BELL), A., 1282.  
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***c*-Toluenesulphonyl-glycyl-*α*-toluenesulphonyl-lysine** (ENGER), A., 1420.  
**1-*p*-Toluenesulphonyl-4-hydroxypiperidine** (ARNDT and KALISCHER), A., 615.  
**1-*p*-Toluenesulphonyl-4-ketopiperidine**, and its semicarbazone, and 3:5-*di*bromo- (ARNDT and KALISCHER), A., 616.  
***d*-Toluenesulphonyl-lactic acid**, derivatives of (FREUDENBERG, KUHN, BUMANN, and SOHNS), A., 1557.  
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***p*-Toluenesulphonylphenylenediamines**, derivatives of (VER. F. CHEM. & MET. PROD.), (P.), B., 237.

*Toluene compounds, Me = 1.*

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**3-*p*-Toluenesulphonyl-2:4:6-triacetyl-*β*-1-glucosidophenyldimethylammonium bromide** (OHLE and MARECEK), A., 582.  
**3-*p*-Toluenesulphonyl-2:4:6-triacetyl-*β*-*D*-glucosido-1-pyridinium *p*-toluenesulphonate** (OHLE and MARECEK), A., 582.  
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***o*-Toluic acid**, *p*-chlorophenyl ester (HAYASHI), A., 90.  
***o*-Toluic acid**, *ωωω*-trifluoro-, and its salts and derivatives (DE BROUWER), A., 1287.  
***m*-Toluic acid**, 4-cyano-, methyl ester (HAYASHI), A., 1183.  
***p*-Toluic acid**, and its sodium salt, molecular compound of, with sarcosine anhydride (PFEIFFER, ANGERN, WANG, SEYDEL, and QUEHL), A., 780.  
***p*-Toluic acid**, *oo'*-*di*nitro-, ethyl ester (PFEIFFER, DU PLESSIS, RICHARZ, and STALLMANN), A., 1181.  
*dithio*-, and its salts and derivatives (BOST and MATTOX), A., 340.  
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***o*-Toluidine**, nitration of (GOVAERT), A., 204.  
***o*-Toluidine**, 6-chloro-, manufacture of sulphonic acids of (GEN. ANILINE WORKS), B., 941\*.  
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***p*-Toluidine**, 3:5-*di*bromo-, *per*bromide (CHATTAWAY and ADAMSON), A., 342.  
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***o*-Toluidine-indophenol**, equilibrium potential of (COHEN and PHILLIPS), A., 165.  
***o*-Toluidinoacet-*p*-acetamidoanilide-4-arsinic acid** (RAIZISS and CLEMENCE), A., 937.  
***o*-Toluidinoacetanilide-4-arsinic acid** (RAIZISS and CLEMENCE), A., 937.  
***o*-Toluidinoacetbenzylamide-4-arsinic acid** (RAIZISS and CLEMENCE), A., 937.  
***o*-Toluidinoacet-*p*-carboxyanilide-4-arsinic acid** (RAIZISS and CLEMENCE), A., 937.  
***o*-Toluidinoacet-*m*-carboxy-*p*-hydroxyanilide-4-arsinic acid** (RAIZISS and CLEMENCE), A., 937.  
***o*-Toluidinoacetnaphthylamide-4-arsinic acids** (RAIZISS and CLEMENCE), A., 937.  
***o*-Toluidinoacet-*p*-nitro-*o*-toluidide-4-arsinic acid** (RAIZISS and CLEMENCE), A., 937.  
***o*-Toluidinoacetpiperidide-4-arsinic acid** (RAIZISS and CLEMENCE), A., 937.  
***o*-Toluidinoacet-*o*-toluidide-4-arsinic acid** (RAIZISS and CLEMENCE), A., 937.  
***o*-Toluidino-*o*-carboxyanilide-4-arsinic acid** (RAIZISS and CLEMENCE), A., 937.  
***α*-Toluidino-*γ*-dimethylaminoisopropyl alcohol** (FOURNEAU, TRÉFOUËL, TRÉFOUËL, and BENOIT), A., 1046.  
**2-*p*-Toluidino-*Δ*<sup>1</sup>-cyclohexenecarboxylic acid**, ethyl ester (SEN and BASU), A., 1047.  
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***α*-Toluidino-*ααγ*-triphenylallylenes** (ROBIN), A., 1571.  
**Toluenitriles**, comparison of hydrogenation of (RUPE and BERNSTEIN), A., 1180.  
**2-*o*-Toluybenzoic acid** (FAIRBOURNE and FOSTER), A., 919.  
**2-*p*-Toluybenzoic acids**, amino-, hydroxy-, and nitro- (MITTER and SARKAR), A., 1439.  
**2-*o*-Toluyldiphenyl** (COOK), A., 903.  
***p*-Toluyphenylcarbinol** (WEISSBERGER, STRASSER, MAINZ, and SCHWARZE), A., 475.  
***γ*-Toluy-*β*-phenylpropane-*αα*-dicarboxylic acid**, esters of, and their derivatives (BARAT), A., 925.  
**Toluypropionic acid**, nitro- (BERGEL and WAGNER), A., 1432.  
***p*-Toluytetrahydroindazoles** (V. AUWERS and WOLTER), A., 927.  
***o*-Tolyl methyl ether**, bromo-derivative (UNDERWOOD, BARRIL, and TOONE), A., 1554.

*Toluene compounds, Me = 1.*

- p*-Tolyl allyl sulphide, and its pyrolysis (HURD and GREENGARD), A., 1285.  
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*m*-Tolylalanine, synthesis of, from 3-methylbenzylmalonazidic acid, and its derivatives (CURTIUS and GAIER), A., 754.  
*m*-Tolylalanine-*N*-carboxylic anhydride (CURTIUS and GAIER), A., 754.  
 1-Tolylaminothiobenzene, 4-chloro-2-nitro- (GEBAUER-FÜLNEGG and RIESZ), A., 209.  
 3-*p*-Tolyl-5-*p*-anisylcyclohexenone, and its oxime (PETROV and SAVELJEV), A., 777; (PETROV), A., 1185.  
 3-*p*-Tolyl-6-*p*-anisyl-Δ<sup>2</sup>-cyclohexen-2-one-1-carboxylic acid, ethyl ester (PETROV and SAVELJEV), A., 777.  
*p*-Tolyl *p*-anisyl ketone, and its oxime (OREKHOV and BROUTY), A., 1179.  
 Tolyanserine, dinitro- (KEIL), A., 617.  
*N*-*o*-Tolylbenziminophenyl ether (GIBSON and JOHNSON), A., 231.  
*N*-Tolylbenziminotolyl ethers (GIBSON and JOHNSON), A., 231.  
*p*-Tolylbenzylbiuret (CURTIUS and RASCHIG), A., 791.  
*p*-Tolyl *α*-bromoethyl ketone (SÁENZ DE BURUAGA), A., 85.  
 $\alpha$ -*p*-Tolylbutyl alcohol,  $\beta$ -amino-, and its hydrochloride (HARTUNG, MUNCH, DECKERT, and CROSSLEY), A., 1286.  
 $\gamma$ -*o*-Tolylbutyric acids, and their chlorides (HARVEY, HEILBRON, and WILKINSON), A., 593.  
*p*-Tolylbutyrolactone, and amino- (BERGEL and WAGNER), A., 1432.  
*p*-Tolylcarbithioic acid. See *p*-Toluic acid, dithio-.  
*p*-Tolyl trichloromethyl ketone (HOUBEN and FISCHER), A., 89.  
*p*-Tolyl-di-*p*-anisylmethane (OREKHOV and BROUTY), A., 1179.  
 $\beta$ -*o*-Tolyl-diethyl ketone (HARVEY, HEILBRON, and WILKINSON), A., 593.  
 5-Tolyl-5:10-dihydroacridine (BERGMANN, BLUM-BERGMANN, and V. CHRISTIANI), A., 1596.  
*p*-Tolyl diphenylmethyl ketone (McKENZIE, MILLS, and MYLES), A., 778.  
*p*-Tolyl  $\beta\beta$ -diphenylvinyl ketone (WILLEMART), A., 334.  
*m*-Tolylenediamine-indophenol, equilibrium potential of (COHEN and PHILLIPS), A., 165.  
*p*-Tolyl ethyl ketone (SÁENZ DE BURUAGA), A., 85.  
 $\beta$ -*o*-Tolyl- $\alpha$ -ethylpropionic acid, and  $\beta$ -hydroxy-, ethyl ester (HARVEY, HEILBRON, and WILKINSON), A., 593.  
 $\gamma$ -*o*-Tolylethylpropyl alcohols (HARVEY, HEILBRON, and WILKINSON), A., 593.  
 $\gamma$ -*o*-Tolyl- $\beta$ -ethylpropyl bromide (HARVEY, HEILBRON, and WILKINSON), A., 593.  
 Tolyhexahydrophthalamic acid,  $\alpha$ -amino-, and its derivatives (BETRABET and CHAKRAVARTI), A., 790.  
*p*-Tolylhydrazones, isomeric tetrachloro-derivatives, intramolecular rearrangement in (CHATTAWAY and ADAMSON), A., 775.  
 $\alpha$ -*p*-Tolyl-2:4-*d*-hydroxy-4'-methoxydiphenylmethanesulphonic acid, and its potassium salt (BETRABET and CHAKRAVARTI), A., 606.  
 2-*p*-Tolylimino-3- $\beta$ -naphthyl-5-hydroxy-1:3-thiazan (MOORE and DAINS), A., 1049.  
 2-*p*-Tolylimino-3-phenyl-5-hydroxy-1:3-thiazan (MOORE and DAINS), A., 1049.  
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 $\gamma$ -Tolylimino- $\alpha\gamma$ -triphenyl- $\Delta\alpha$ -propylenes (ROBIN), A., 1571.  
*p*-Tolylodinitromethane (NENITZESCU and ISACESCU), A., 1569.  
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- dl*-Valeryl-*dl*-phenylalanines,  $\alpha$ -amino- and  $\alpha$ -bromo- (ABDERHALDEN and SCHWEITZER), A., 356.
- dl*-*n*- and *iso*-Valeryl-*l*-prolines,  $\alpha$ -bromo-, and  $\alpha$ -hydroxy-, amides (ABDERHALDEN and ZUMSTEIN), A., 1475.
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